

Contents

Vol. 76, No. 6, 2011

Simultaneous English language translation of the journal is available from Pleiades Publishing, Ltd.
Distributed worldwide by Springer. *Biochemistry* (Moscow) ISSN 0006-2979.

Engl./Russ.

Reviews

Structural–Functional Features of Plant Isoperoxidases

I. V. Maksimov, E. A. Cherepanova, G. F. Burkhanova, A. V. Sorokan', and O. I. Kuzmina 609 749

Hierarchical Classification of Glycoside Hydrolases

D. G. Naumoff 622 764

Role of Lipid Components in Formation and Reactivation of *Mycobacterium smegmatis* “Nonculturable” Cells

E. V. Nazarova, M. O. Shleeva, N. S. Morozova, Yu. K. Kudykina, G. N. Vostroknutova, A. O. Ruzhitsky, A. A. Selishcheva, G. M. Sorokoumova, V. I. Shvets, and A. S. Kaprelyants 636 781

Rice Dehydrin K-Segments Have *in vitro* Antibacterial Activity

C. Zhai, J. Lan, H. Wang, L. Li, X. Cheng, and G. Liu 645 792

CNG Site-Specific and Methyl-Sensitive Endonuclease WEN1 from Wheat Seedlings

L. I. Fedoreyeva and B. F. Vanyushin 651 799

Characterization of Amino Acid Residues Essential for Tetramer Formation and DNA-Binding Activity of ssDNA-Binding Protein of *Mycobacterium tuberculosis*

Hua Zhang, Yuxi Tian, Ziduo Liu, Feng Huang, Lihua Hu, and Zheng-Guo He 658 807

Expression, Purification, and Characterization of Putative *Candida albicans* Rad3, the Product of *orf19.7119*

Ki Moon Seong, Se Hyun Lee, Hag Dong Kim, Chang Hoon Lee, Hyesook Youn, BuHyun Youn, and Joon Kim 666 816

Free Radical Reaction Products and Antioxidant Capacity in Beating Heart Coronary Artery Surgery Compared to Conventional Bypass

A. Gonenc, A. Hacısevki, H. R. Griffiths, M. Torun, B. Bakkaloglu, and B. Simsek 677 829

Stability of Haloalkaliphilic *Geomicrobium* sp. Protease Modulated by Salt

R. Karan and S. K. Khare 686 840

Purification, Primary Structure, and Properties of <i>Euphorbia characias</i> Latex Purple Acid Phosphatase <i>F. Pintus, D. Spano, S. Corongiu, G. Floris, and R. Medda</i>	694	849
Adaptive Evolution Signals in Mitochondrial Genes of Europeans <i>B. A. Malyarchuk</i>	702	858
Structure of the O-Polysaccharide of <i>Providencia alcalifaciens</i> O25 Containing an Amide of D-Galacturonic Acid with <i>N</i> ^ε -[(<i>R</i>)-1-carboxyethyl]-L-lysine <i>N. A. Kocharova, O. G. Ovchinnikova, M. Bialczak-Kokot, A. S. Shashkov, Y. A. Knirel, and A. Rozalski</i>	707	864
Recombinant Polyamine-Binding Protein of <i>Synechocystis</i> sp. PCC 6803 Specifically Binds to and Is Induced by Polyamines <i>P. Yodsang, W. Raksajit, A.-M. Brandt, T. A. Salminen, P. Mäenpää, and A. Incharoensakdi</i>	713	872
New Approaches to Identification and Activity Estimation of Glyphosate Degradation Enzymes <i>A. V. Sviridov, N. F. Zelenkova, N. G. Vinokurova, I. T. Ermakova, and A. A. Leontievsky</i>	720	880

Errata

Erratum: "Effect of Plastoquinone Derivative 10-(6'-Plastoquinonyl)decyltriphenylphosphonium (SkQ1) on Contents of Steroid Hormones and NO Level in Rats" [<i>Biochemistry (Moscow)</i> , 75 , 1383 (2010)] <i>V. A. Chistyakov, V. A. Serezhenkov, A. A. Alexandrova, N. P. Milyutina, V. N. Prokof'ev, E. V. Mashkina, L. V. Gutnikova, and S. V. Dem'yanenko</i>	726	–
--	-----	---
